

## STENT DELIVERY AND DEPLOYMENT METHOD

### ABSTRACT OF THE DISCLOSURE

A method for the delivery and deployment of an endovascular support device or stent onto a delivery balloon catheter is achieved by encapsulating the stent and balloon within a sheath device, and exposing the stent and balloon to an elevated temperature while pressurizing the balloon. This has the effect of forming the balloon around the stent and within the sheath. By cooling the balloon and stent while maintaining pressure in the balloon, the balloon profile will be "frozen" (formed) around the stent.